Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/27/2017 10:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125684	0	1.33	125523	1.31
Blue	F	SSC	125000	124844	-1	2.85	125086	2.62
Blue	E	FITC	23795	23126	-3	2.53	1028	10.37
Blue	D	PE	29673	29098	-2	1.93	1045	9.83
Blue	B	PerCP-Cy5-5	48943	48200	-2	3.30	1388	17.19
Blue	A	PE-Cy7	44112	43881	-1	5.19	681	36.42
Red	C	APC	54273	53332	-2	2.63	3085	9.36
Red	A	APC-Cy7	54945	54100	-2	2.63	1140	11.23
Violet	B	V450	15756	15326	-3	3.68	732	8.77
Violet	A	V500	62569	62187	-1	3.43	2758	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19830	3.62	611	-3	N/A	N/A	Pass
Blue	F	SSC	61968	1.43	545	-1	N/A	N/A	Pass
Blue	E	FITC	116	38.31	549	-1	0.0202	125	Pass
Blue	D	PE	229	28.80	546	0	0.1557	222	Pass
Blue	B	PerCP-Cy5-5	218	45.28	637	-2	0.0096	82	Pass
Blue	A	PE-Cy7	73	121.79	695	-4	0.0112	12	Pass
Red	C	APC	364	27.21	598	-2	0.0205	61	Pass
Red	A	APC-Cy7	125	40.81	577	-7	0.0054	1643	Pass
Violet	B	V450	89	39.02	478	6	0.0443	1415	Pass
Violet	A	V500	201	20.27	507	8	0.0144	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.14	-31.46	0.79
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	17.59	13.27 - 19.91	N/A	N/A	31.72	32.21	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9637

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments